

Bromo-PEG6-bromide

Chemical Properties

CAS No. :	72713-23-6
Formula:	C14H28Br2O6
Molecular Weight:	452.18
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Bromo-PEG6-bromide is a PEG-based linker for PROTACs that joins two essential ligands, facilitating selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands connected by a linker; one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2115 mL	11.0575 mL	22.1151 mL
5 mM	0.4423 mL	2.2115 mL	4.423 mL
10 mM	0.2212 mL	1.1058 mL	2.2115 mL
50 mM	0.0442 mL	0.2212 mL	0.4423 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mulyana Y, et al. Oligonuclear polypyridylruthenium(II) complexes incorporating flexible polar and non-polar bridges: synthesis, DNA-binding and cytotoxicity. Dalton Trans. 2011 Feb 21;40(7):1510-23.

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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